

# INTERNATIONAL SEARCH REPORT

National Application No.

PCT/GB2004/000209

**A. CLASSIFICATION OF SUBJECT MATTER.**  
IPC 7 B25H1/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B25H B62H A63B A47F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 626 241 A (HOLDEN PETER B) 6 May 1997 (1997-05-06) column 5, lines 7-31 figures 6,10	1
A	US 5 069 348 A (LONG EDWARD A) 3 December 1991 (1991-12-03) column 2, line 64 - column 3, line 46 figures 1-4	1
A	US 698 231 A (C. STARZMAN) 7 December 1901 (1901-12-07) column 2, line 76 - column 3, line 26 figures	1
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

\*&\* document member of the same patent family

Date of the actual completion of the international search

15 July 2004

Date of mailing of the international search report

23/07/2004

Name and mailing address of the ISA

European Patent Office, P.O. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Chariot, D

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/000209

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2 534 967 A (HAPMAN HENRY W) 19 December 1950 (1950-12-19) figure 4 column 3, lines 38-55 figure 4	1
A	DE 298 16 144 U (BALKE MICHAEL) 14 October 1999 (1999-10-14) page 4, line 18 - page 5, line 13 figure 2	1
A	GB 2 176 413 A (THOMAS COLIN MALCOLM) 31 December 1986 (1986-12-31) page 1, lines 74-80 figure 3	1

## INTERNATIONAL SEARCH REPORT

national application No.  
PCT/GB2004/000209

### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 19  
because they relate to subject matter not required to be searched by this Authority, namely:  
Claim 19 contains, either explicitly or implicitly, references to parts of the description or the drawings and do not fulfill the requirements of Rule 6.2 (a) PCT.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/GB2004/000209

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5626241	A	06-05-1997	NONE	
US 5069348	A	03-12-1991	NONE	
US 698231	A		NONE	
US 2534967	A	19-12-1950	NONE	
DE 29816144	U	14-10-1999	DE 29816144 U1	14-10-1999
GB 2176413	A	31-12-1986	NONE	